

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

INFORMATION DISCLOSURE CITATION
Form PTO-1449 (Modified)
(Use several sheets if necessary)

ATTY. DOCKET NO.
37302.8002

SERIAL NO.
09/684,706

OIPE
NOV 30 2001
PATENT & TRADEMARK OFFICE

APPLICANT

Gelvin, et al.

FILING DATE
October 4, 2000

GROUP
2143
2152

MAIL DATE CANCELLED

RECEIVED
DEC 14 2001
Technology
Center 2100

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,745,759	04/28/98	Hayden and Burgener			
	5,737,529	04/07/98	Dolin, Jr., et al.			
	5,794,164	08/11/98	Beckert, et al.			
	6,009,363	12/28/99	Beckert, et al.			
	6,028,537	02/22/00	Suman, et al.			
	6,144,905	11/07/00	Gannon			
	6,145,082	11/07/00	Gannon, et al.			
	6,175,789	01/16/01	Beckert, et al.			
	6,181,994	01/30/01	Colson and Alewine			
	6,185,491	02/06/01	Gray and Chu			
	6,202,008	03/13/01	Beckert, et al.			
	6,246,935	06/12/01	Buckley			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	0814393	12/29/97	Europe			
	19743137	04/01/99	Germany			
	9917477	04/08/99	PCT			
	2,245,963	2/26/00	Canada			
	0054237	09/14/00	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Asada, G., et al., "Wireless Integrated Network Sensors (WINS)" PROCEEDINGS OF THE SPIE, SPIE, Bellingham, VA 3673:11-18 (1999).
	Lohle, H., et al., "Bordermaster 2000- An Advanced Border Surveillance System", ELECTRICAL COMMUNICATION, Alcatel, Brussels, BE 153-158 (1994).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 21200-702		SERIAL NO. 09/684,706			
		APPLICANT GELVIN, David C. et al.					
		FILING DATE 10/4/2000		GROUP 2152			
U.S. PATENT DOCUMENTS <i>2143</i>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<i>AS</i>	4,406,016	9/20/83	Abrams et al.	455	19	11/27/81	
<i>AS</i>	6,078,269	6/20/00	Markwell et al.	340	825.5	11/10/97	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>S. J.</i>	DATE CONSIDERED <i>6/10/04</i>						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SHEET 1 OF 2

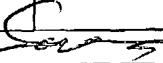
INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 21200-702		SERIAL NO. 09/684,706		
		APPLICANT David C. Gelvin, et al.				
		FILING DATE October 4, 2000		GROUP 2152 2143		
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>A</i>	5,732,074	3/24/98	Spaur, et al.	370	313	1/16/96
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
						<i>RECEIVED</i> <input type="checkbox"/> <input checked="" type="checkbox"/>
						<i>MAY 4</i> <input type="checkbox"/> <input checked="" type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>A</i>	S. Natkunananathan, et al., "A Signal Search Engine for Wireless Integrated Network Sensors", ASFL Annual Symposium, March 2000, pgs. 1-4					
	Michael J. Dong, et al., "Low Power Signal Processing Architectures for Network Microsensors", 1997 International Symposium on Low Power Electronics and Design; Digest of Technical Papers (1997) pgs. 173-177.					
<i>A</i>	Tsung-Hsien Lin, et al., "CMOS Front End Components for Micropower RF Wireless Systems", Proceedings of the 1998 International Symposium on Low Power Electronics & Design, pp. 11-15, August 1998					
	G. Asada, et al., "Wireless Integrated Network Sensors: Low Power Systems on a Chip", Proceedings of the 1998 European Solid State Circuits Conference (ESSCIRC), pp. 1-8 The Hague, The Netherlands, September 22-24, 1998.					
<i>A</i>	Gregory J. Pottie, R&D Quarterly and Annual Status Report for AWAIRS, pp. 1-28; January 1, 1999-April 31, 1999					
	Gregory J. Pottie, et al., "Wireless Integrated Network Sensors: Towards Low Cost and Robust Self-Organizing Security Networks, SPIE Conference on Sensors, C3I, Information and Training Tech. for Law Enforcement, Boston, MA.; pp. 1-10; November 3-5, 1998					
EXAMINER	<i>SLC</i>		DATE CONSIDERED	6/10/07		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
APR 19 2001
Technology Center 2100

INFORMATION DISCLOSURE CITATION <i>O I P E</i> PTO-449 JUN 29 2001 PATENT OFFICE	ATTY. DOCKET NO.	SERIAL NO.					
	21200-702	09/684,706					
	APPLICANT David C. Gelvin, et al.	RECEIVED 2143					
U.S. PATENT DOCUMENTS JUL 03 2001							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<i>A</i>	6,208,247	3/27/2001	Agre, et al.	340	539	8/18/98	
<i>A</i>	4,520,674	6/4/85	Canada, et al.	73	660	11/14/83	
<i>A</i>	4,649,524	3/10/87	Vance	367	13	8/22/83	
<i>A</i>	4,812,820	3/14/89	Chatwin	340	518	7/23/86	
<i>A</i>	4,855,713	8/8/89	Brunius	340	506	10/7/88	
<i>A</i>	4,951,029	8/21/90	Severson	340	506	2/16/88	
<i>A</i>	5,241,542	8/31/93	Natarajan, et al.	370	95.3	8/23/91	
<i>A</i>	5,247,564	9/21/93	Zicker	379	40	10/24/90	
<i>A</i>	5,295,154	3/15/94	Meier, et al.	375	1	5/3/93	
<i>A</i>	5,428,636	6/27/95	Meier	375	202	5/7/93	
<i>A</i>	5,475,687	12/12/95	Markkula, Jr., et al.	370	85.1	7/27/93	
<i>A</i>	5,553,076	9/3/96	Behtash, et al.	370	95.3	5/2/94	
<i>A</i>	5,659,195	8/19/97	Kaiser, et al.	257	415	6/8/95	
FOREIGN PATENT DOCUMENTS						TRANSLATION	
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>A</i>	Anna Bhatnagar, et al., "Layer Net: A New Self-Organizing Network Protocol", 1990 IEEE Military Communications Conference, Monterey, CA., September 30 thru October 3, pgs. 845-849.						
<i>A</i>	Norman Abramson, "The Throughput of Packet Broadcasting Channels", IEEE Transactions on Communications, Vol. Com-25, No. 1, January 1977, pgs. 117-128.						
<i>A</i>	C. David Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", Milcom 96 Conference Proceedings, October 22-24, 1996, pgs. 235-239.						
<i>A</i>	G. Asada, et al. "Low Power Wireless Communication and Signal Processing Circuits for Distributed Microsensors", Proceedings of 1997 IEEE International Symposium on Circuits and Systems; June 9-12, 1997, Hong Kong, pgs. 2817-2820.						
<i>A</i>	K. Bult, et al. "Low Power Systems for Wireless Microsensors", 1996 International Symposium on Low Power Electronics and Design; pgs. 17-21.						
EXAMINER: <i>C. Agre</i>	DATE CONSIDERED: <i>6/10/01</i>						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO.		SERIAL NO.			
		21200-702		09/684,706			
		APPLICANT David C. Gelvin, et al.		RECEIVED 2143			
FILING DATE 10/4/2000		GROUP 2143					
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	DATE	NAME	CLASS	TECHNOLOGY CENTER SUBCLASS	FILING DATE		
	5,726,911	3/10/98	Canada, et al.	364 550	8/22/96		
	5,852,351	12/22/98	Canada, et al.	318 490	8/20/97		
	5,854,994	12/29/98	Canada, et al.	702 56	8/23/96		
	5,907,491	5/25/99	Canada, et al.	364 468.15	4/4/97		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Anthony Ephremides, et al. "A Design Concept for Reliable Mobile Radio Networks with Frequency Hopping Signaling"; Proceedings of the IEEE, Vol. 75, No.1, January 1987; pgs. 56-73						
	K. Bult, et al., "Wireless Integrated Microsensors"; Solid-State Sensor and Actuator Workshop, Hilton Head South Carolina, June 3-6, 1996, pgs. 205-210.						
	C. David Young, "A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", Rockwell International Working Paper, October 25, 1995, pgs. 1-29.						
	Tsung-Hsien Lin, et al, "Wireless Integrated Network Sensors (WINS) for Tactical Information Systems", Rockwell Science Center, Thousand Oaks, January 1998, pgs. 1-6.						
	Michael J. Dong, et al. "Low Power Signal Processing Architectures for Network Microsensors"; University of California, Los Angeles, ISLPED 97, International Symposium on Low Power Electronics and Design, January 1998, pgs. 1-5.						
EXAMINER 		DATE CONSIDERED 6/10/07					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.